PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

То:	PCT						
see form PCT/ISA/220	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)						
Applicant's or agent's file reference see form PCT/ISA/220	FOR FURTHER ACTION See paragraph 2 below						
International application No. PCT/US2004/008176	International filing date (d 17.03.2004	(day/month/year) Priority date (day/month/year) 17.03.2003		· · · · · · · · · · · · · · · · · · ·			
International Patent Classification (IPC) or A61F2/24	International Patent Classification (IPC) or both national classification and IPC A61F2/24						
Applicant CASE, Brian, D				ENTERED			
1. This opinion contains indications relating to the following items: Box No. Basis of the opinion							
Name and mailing address of the ISA:		Authorized Officer		nes Palania.			

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

10/549437

International application No. PCT/US2004/008176

JC20 Rec'd PCT/PTO 1 6 SEP 2005

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	Box No	. I Basis of the opinion				
1.	With regard to the language , this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.					
	lan	s opinion has been established on the basis of a translation from the original language into the following guage , which is the language of a translation furnished for the purposes of international search der Rules 12.3 and 23.1(b)).				
2.	With reg	gard to any nucleotide and/or amino acid sequence disclosed in the international application and ary to the claimed invention, this opinion has been established on the basis of:				
	a. type of material:					
		a sequence listing				
		table(s) related to the sequence listing				
	b. forma	at of material:				
		in written format				
		in computer readable form				
	c. time	of filing/furnishing:				
		contained in the international application as filed.				
		filed together with the international application in computer readable form.				
		furnished subsequently to this Authority for the purposes of search.				
3.	ha: co _l	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto be been filed or furnished, the required statements that the information in the subsequent or additional bies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.				
4.	Addition	nal comments:				

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2004/008176

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:						
	the entire international application,					
\boxtimes	claims Nos. 21-28					
because:						
	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):					
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):					
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.					
\boxtimes	no international search report has been established for the whole application or for said claims Nos. 21-28					
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:					
	the written form		has not been furnished			
			does not comply with the standard			
	the computer readable form		has not been furnished			
			does not comply with the standard			
	the tables related to the nucleo not comply with the technical re	tide a equire	and/or amino acid sequence listing, if in computer readable form only, do ements provided for in Annex C-bis of the Administrative Instructions.			
	See separate sheet for further	detai	ls			

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or Box No. V industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-20,29,30

No:

Claims

Inventive step (IS)

Yes: Claims

1-20,29,30

No: Claims

Industrial applicability (IA)

Yes: Claims

1-20,29,30

No: Claims

2. Citations and explanations

see separate sheet

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

Certain observations on the international application Box No. VIII

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet



WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/US2004/008176

Re Item III.

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery

Re Item V.

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following document:

D1: EP 0 856 300 A (VENPRO CORPORATION) 5 August 1998 (1998-08-05)

Document D1, which is considered to represent the most relevant state of the art, discloses "A vascular valve device, comprising: an artificial valve for deployment within a vascular passage, the artificial valve including flexible material and at leats one frame element.

From this, the subject-matter of independent claim 1 differs in that: the said frame element is adapted for removal after deployment of said artificial valve in the vessel.

The subject-matter of claim 1 is therefore novel (Article 33(2) PCT)

The problem to be solved by the present invention may be regarded as: to permit the transluminal implantation of an artificial valve whilst leaving a totally flexible valve in place.

The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) since the features of claim 1 cannot be derived from the available prior art.

Claims 2-20 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

The same reasoning applies mutatis t independent claims 29 and 30 which also meet the

requirements of the PCT with respect to novelty and inventive step:

Re Item VII.

Certain defects in the international application

Independent claims 1, 29 and 30 are not in the two-part form in accordance with Rule 6.3(b) PCT, which in the present case would be appropriate, with those features known in combination from the prior art (document D1) being placed in the preamble (Rule 6.3(b)(I) PCT) and with the remaining features being included in the characterising part (Rule 6.3(b)(ii) PCT).

The features of the claim/s are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.

Re Item VIII.

Certain observations on the international application

Although claims 1, 29 and 39 have been drafted as separate independent claims, they appear to relate effectively to the same subject-matter and to differ from each other only with regard to the definition of the subject-matter for which protection is sought and in respect of the terminology used for the features of that subject-matter. The aforementioned claims therefore lack conciseness and as such do not meet the requirements of Article 6 PCT.